

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
STUDY PLAN**

Study ID code	CAPMC-T-0222-CP	
Title	Pyrogeography in riparian ecosystems: Central California Indian tradition of resource management and conservation	
National Project No.	Water quality 2.1	
Study Type	AE	
Study status	Active	
Location	CAPMC	
Study Leader	Don Hankins, UCD	
Duration	2002 - 2006	
Cooperators	CIBA, UCD	
Land Use	Riparian	
Vegetative Practices	Primary	643 Restoration and management of declining habitats
	Secondary	390 Riparian herbaceous cover
Resource concerns	<u>Resource</u>	<u>Consideration/Problem</u>
	Soil	Restoration, soil erosion
	Plants	Native species, outreach, riparian
Long Range Plan	Study falls under Section IV, Part 1 and 4 of the CA PM LRP	
Description	This research will study the effects of indigenous prescribed fire on riparian ecosystems in central California through implementation of comparative wet and dry season fires.	
Status of Knowledge	Prescribe fire is used to increase and maintain biodiversity, increasing the production and quality of floral resources, reducing fuels and minimizing nuisance species.	
Experimental Design Treatment 1	Randomized Complete Block Design	
	Title: Fire treatments and control	
	Description: Wet and dry fire treatments	

Materials and Methods	Effects will be assessed through monitoring vegetation response to treatments and monitoring the utilization of the habitat by small mammals and reptiles. Stimulation of participation and expertise of traditional cultural practitioners into the applied and investigative research of how indigenous land management practices benefit resources management.
Final Evaluations	None
Technology Transfer Products	Revise FOTG standards, TechNote, Journal paper
Literature Cited	Little has been done to research the applicability and effects of indigenous prescribed fire on riparian ecosystems.
Keywords	Native American plants, restoration, fire, riparian
Review by: Approvals:	CA. State Plant Materials Committee As per approval of CAPMC Business Plan